

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
13 October 2005 (13.10.2005)

PCT

(10) International Publication Number
WO 2005/094825 A1

(51) International Patent Classification⁷: **A61K 31/4453**,
A61P 25/02, A61K 9/22, 9/26, 47/32, 9/28

(74) Agents: **BEER, Manfred** et al.; Lindengasse 8, A-1070
Wien (AT).

(21) International Application Number:
PCT/EP2005/002379

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

(22) International Filing Date: 7 March 2005 (07.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
A 386/2004 5 March 2004 (05.03.2004) AT

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*):
SANOCHEMIA PHARMAZEUTIKA AG [AT/AT];
Boltzmanngasse 11, A-1090 Wien (AT).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **BODENTE-
ICH, Angelika** [AT/AT]; Schopenhauerstrasse 47/4,
A-1180 Wien (AT). **PIRICH, Eberhard** [AT/AT]; Fe-
lix-Mottl-Strasse 32, A-1190 Wien (AT). **BÖCKMANN,
Josef** [AT/AT]; Dr. Ludwig Riegerstrasse 4/4, A-2340
Mödling (AT). **FRANTSITS, Werner** [AT/AT]; Nothart-
gasse 19, A-1130 Wien (AT).

Published:

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: CONTROLLED RELEASE PHARMACEUTICAL COMPOSITION OF TOLPERISONE FOR ORAL ADMINISTRA-
TION

(57) Abstract: The invention relates to a tolperisone-containing pharmaceutical preparation with controllable active-substance re-
lease for oral administration, characterised in that the active substance tolperisone and/or a pharmaceutical salt thereof is embedded in
a pharmaceutically compatible material. By selecting the pharmaceutically compatible materials in the preparation and accordingly
in the coating of a tablet or granule, a specific release of active substance can be adjusted which is matched to the special genotype in
the metabolism of tolperisone. At the same time, as a result of the very uniform and persistent release of tolperisone, the in-vivo
inversion of enantiomerically pure tolperisone that is known from the art can be adjusted in favour of the R(-) tolperisone which is
prominent in muscle-relaxing therapy.



WO 2005/094825 A1